



# Y-12 BULLETIN

A Newspaper For Y-12 Employees of Union Carbide Corporation—Nuclear Division

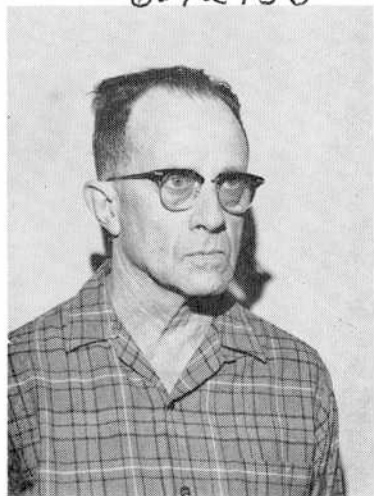
VOL. 20 — No. 13

OAK RIDGE, TENNESSEE

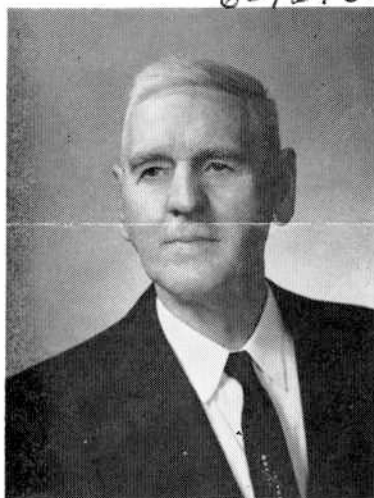
Wednesday, March 30, 1966

## Henry Norris and John Harvey Retire from Y-12 Tomorrow

Tomorrow, March 31, marks the retirement of two Y-12ers . . . long time employees here. Henry C. Norris, Buildings, Grounds and Maintenance Shops, retires, and John F. Harvey, General Expediting and Auxiliary Services, has elected an early retirement.



Henry C. Norris



John F. Harvey

Henry C. Norris has actually worked two stints in Y-12. He first came here July 6, 1943 . . . and returned the second time May 15, 1947. A native of Union County, he worked from 1921 until 1932 with the Knoxville Furniture Company and then for nine years was with the W. B. Atkin Company, Knoxville, as a cabinet maker.

No immediate plans occupy Norris's time just yet. He says he has about a year's work to do around the house, painting, and tending the yard. After these chores are caught up, he plans to get in some hunting, fishing, and just plain taking it easy.

Norris lives at his 5709 Kentwood Rd., Knoxville, home with wife, the former Mattie Lovin. They have three sons . . . H. C. Jr., in Y-12's Civil and Architectural Engineering; Robert, Charlotte, North Carolina; and Glenn, Knoxville. A daughter, Mrs. Mildred Wolfenbarger, lives in Knoxville. They also have seven grandchildren.

Electing early retirement is John F. Harvey, Route 7, Weaver Road, who is in Y-12's General Expediting and Auxiliary Services Department.

Harvey was born in Roane County, and drove a school bus there in his early youth . . . from 1927 until 1943. He has worked as a guard with Roane Anderson and as a labor foreman with J. A. Jones here in Oak Ridge. He farmed in Loudon from 1947 until 1949 when he returned with J. A. Jones as a watchman. He came to Y-12 March 5, 1951.

Mrs. Harvey is the former Willie Jean Smith. They have two sons . . . Albert, Fredericksburg, Virginia; Elkanah, who is overseas working; and a daughter Mrs. Margaret Elam, Memphis. There are two daughters, Jackie and Tammie, at home. Five girls and three boys . . . all grandchildren . . . also occupy special specials in their home on visits.

Doing "just as he pleases" will occupy most of Harvey's time. He has some ponies and cows on his 10-acre plot on Weaver Road . . . and will garden some in his spare time.

The very best of luck to the two March retirees.

## Siren Test Set Sunday, April 3

The regularly scheduled siren tests will take place at 9 a.m. Sunday, April 3 in Y-12.

The Disaster Alarm System is regularly activated every three months. To be tested will be the air attack sirens located at Buildings 9201-3, 9996, 9204-4 and 9213. The test will cover the "Evacuation" and "Take Cover" signals, with three minutes for each signal.

Employees who are working Sunday will not leave their work stations. Prior to the test, an announcement will be made to plant personnel over the public address system.

## Spot Bid Sale Begins On Surplus

A "spot-bid" sale of government-owned surplus property is now underway at the Sales Office, Building 9929-1. Included in the surplus property are used Chevrolet, Dodge and International trucks, a Lark sedan . . . typewriters, adding machine, Gray A u d o g r a p h Transcribers and Recorder, electric arc welders and other items.

These items may be inspected from 8 a.m. until 4 p.m. Monday through Friday (except April 8) to the time the bids are closed for reach lot.

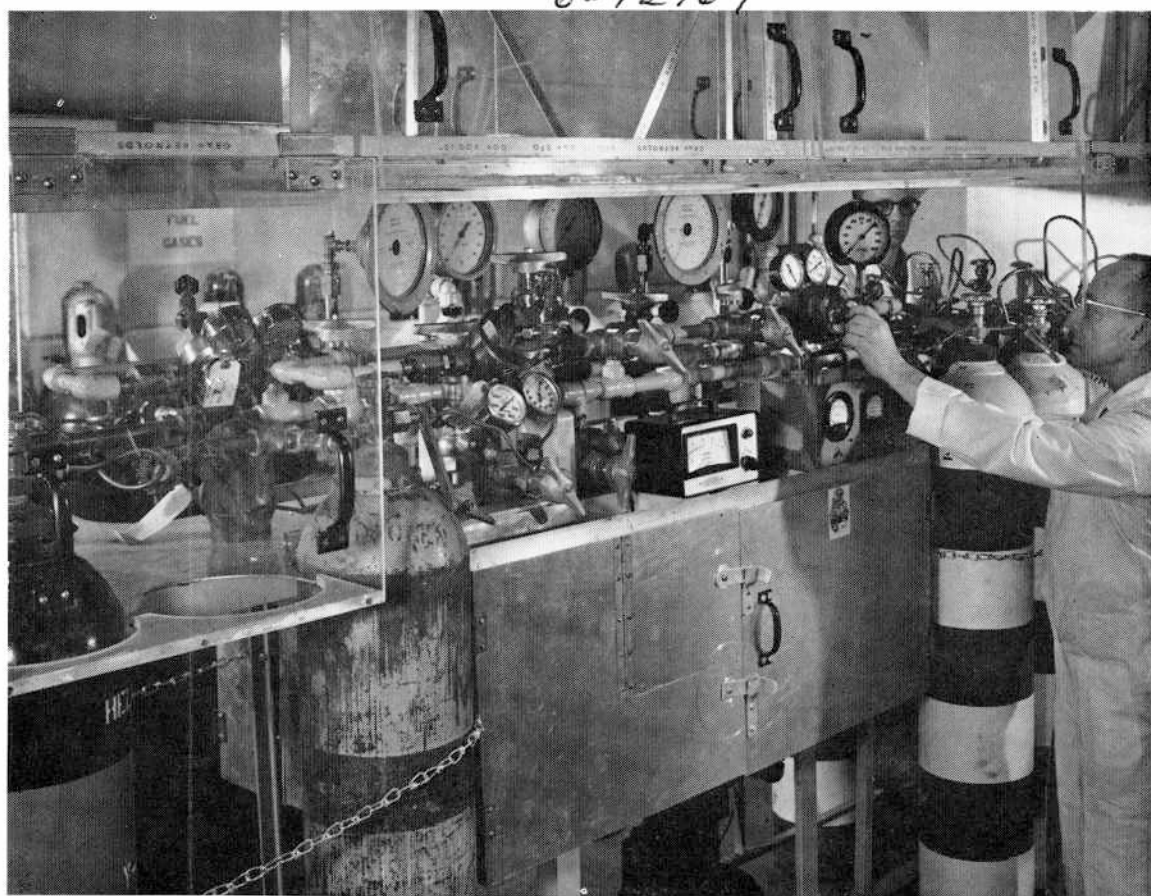
The sale starts at 10 a.m., Tuesday, April 12. It is anticipated that successful bidders may pay for and remove their purchase after 2 p.m. that day.

## Preventing Accidents A 'Moon-Light' Job!

Moonlighting (holding down a second job) has become a controversial subject in some quarters.

But there's one kind of moonlighting we can all take part in, says the National Safety Council — accident prevention.

It's a full time, all the time job, and the pay is tops — good health and long life.



J. L. HEATHERLY, SPECIAL SAMPLES LABORATORY, adjusts the high pressure regulator of the gas mixing facilities in the Plant Laboratory. The unique facilities allow laboratory men to mix gases in precise amounts in any combination so needed.

## Plant Laboratory Begins High Pressure Gas Mixing Facilities Operations In 9995

A high pressure gas mixing facility has recently been placed in operation in Y-12. The unique facilities can prepare mixtures of gases in precise amounts with pressure up to 2000 pounds per square inch (psi). As many gases as the users desire may be prepared. The amounts of the different gases may vary from the percent level down to as low as one ppm (parts per million).

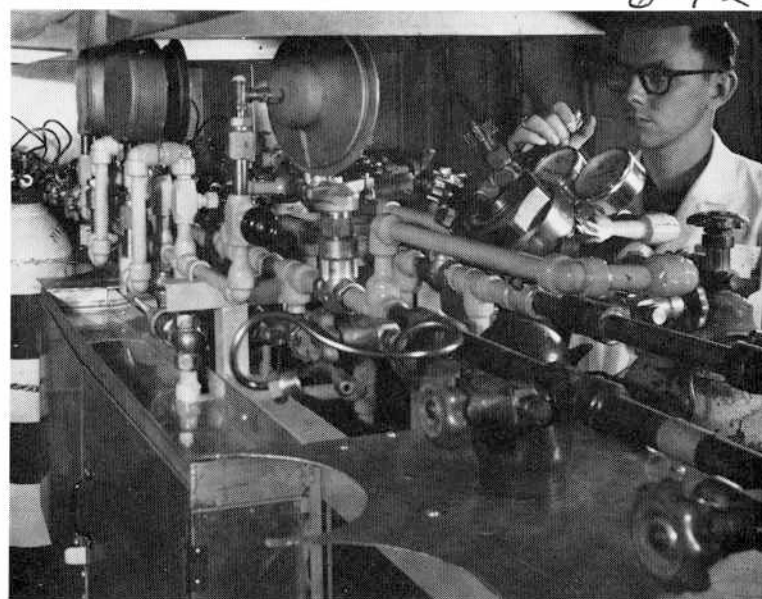
Many and varied uses of the gas mixtures apply in the Oak Ridge facilities. Some of the myriad uses of the mixtures are in instrument calibration, laboratory standards, radiation counters, fuel gases, environmental atmospheres and similar applications.

One example of a mixture that has been prepared is a combination with 75 ppm oxygen in nitrogen. This is used to calibrate an in-line monitor in Y-12's nitrogen line. Another mixture of helium with 20 ppm nitrogen, 15 ppm argon, 10 ppm methane, 12 ppm carbon dioxide, 9 ppm hydrogen and 20 ppm oxygen, was recently used as a standard on a gas chromatograph.

A special room in Building 9995 was prepared to handle this work. The system consists of a network of high pressure tubing, valves, delicate gauges that have been accurately calibrated, mass flowmeter, high pressure pump, and vacuum pump. The system was so arranged that several cylinders can be handled at the same time. When several cylinders of an identical mixture are desired, they can all be prepared simultaneously, thus greatly reducing the overall cost of preparing the mixture.

### Designed In Laboratory

The facilities were designed



TERRY HARRIS controls the high pressure gauge of gas mixing facilities in Building 9995. The cylinders are filled in various combinations of gases up to as high pressure as 2000 pounds per square inch.

and assembled in the Special Samples, Mass Spectrometry section of the Plant Laboratory, under the general direction of W. D. Harman.

In addition to the precise transfer of exact amounts of gas, careful calculation must be made. These calculations involve temperature, barometric pressure, and pressure correction factors.

After the mixtures are prepared they are certified to be correct by analysis in this laboratory. For this analysis mass spectrometers and gas chromatography are used.

In addition to serving the needs of this plant, other AEC installations in Oak Ridge may utilize the facilities. Mixtures have al-

## SAFETY SCOREBOARD

The Y-12 Plant Has  
Operated  
24 Days Or  
600,000 Man-Hours  
Through March 27  
Without A Disabling  
Injury  
Phone 3-7755  
(Unofficial Estimate)  
For Daily Report  
On Accident-Free Hours



# The Bulletin

Published Weekly For The  
Y-12 Employees Of  
UNION CARBIDE  
CORPORATION



NUCLEAR DIVISION

JAMES A. YOUNG .....Editor

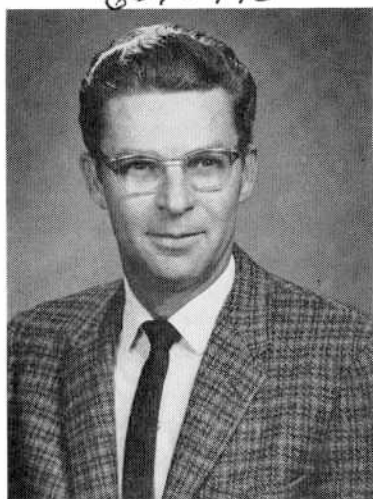


OFFICE  
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Oak Ridge, Tenn. 37830  
Bldg. 9704-2 Room 137  
Telephone 3-7100

## T. R. Rucker Is U.T. Graduate... March 16

Electrical Engineer  
Degree Is Awarded

6-12970



T. R. Rucker

Talmage Ray Rucker, Process Maintenance, put the finishing touches recently on requirements for his degree at the University of Tennessee. In ceremonies Wednesday, March 16, he received his BS degree in electrical engineering at UT.

Rucker, a native of Madisonville, Texas, began his college career in the University of Oklahoma, shortly after completing his stay in the U.S. Army. He then attended the University of Texas.

Coming to Y-12 November 1, 1954 he delayed completing his necessary credit work, but did take some industrial management courses. He got down to serious studies toward his degree in early 1963.

Married to the former Joyce Gallaher, Rucker lives at 109 West Geneva Lane, Oak Ridge. The Ruckers have a daughter, Kathy, 14, attending Jefferson Junior High School.

## A Ladder Is A Ladder Is A Ladder Is A . . .

Webster defines a ladder as "An appliance consisting of two long sidepieces, usually parallel, joined at intervals by crosspieces on which a person may step in ascending or descending."

That description does not apply to chairs, boxes, stools, tables, windowsills or radiators — the National Safety Council says — so why use any of the latter in place of a ladder?

## 10 YEARS AGO IN Y-12

From the Bulletin, 10 years ago . . . a total of 112 Y-12ers will become 10-year employees in 1956, stated the headlines. A total of 111 Y-12ers will become 20-year veterans in 1966. How's that for staying fairly close on the nose?

## Spring Dance Tickets Going For A Song!

"And the merry love the fiddle. . .

And the merry love to dance." If you wish to try out some of those Hullabaloo steps . . . come on out to Y-12's Spring Dance . . . set for Friday, April 15.

Dancing begins at 9 p.m. to the tunes of Alan Atkins and his music-makers. Let a smile be your umbrella . . . it says here . . . but then who cares about rain, as long as Spring is here! Tickets, going for \$1.50 each are available from:

	Bldg.
Mary Thompson	9998
Daisy Ward	9995
Jo Ann Isham	9212
Wanda Podeweltz	9212
Bobbie Watkins	9212
Faye Duncan	9215
Margaret Kirby	9723-14
Helen Long	9723-15
Frances Donahue	9734
Bobby Hopkins	9733-1 & 2
J. P. Smith	9733-3
Joyce Williamson	9739
Shirley Humphrys	9720-8
Jo Oldham	9204-4
Marilyn Barnhill	9204-2
Mary White	9720-6
Donna Ferguson	9737
Margaret Cook	9201-1
Mildred Scott	9706-2
Doris Matthews	9706-2
Charlie Gillihan	9706-1
Ernestine Elam	9203
Cleo Sideris	9202
Jeanne Cothron	9202
C. M. (Hap) West	9711-1



Tickets may be picked up (bought, that is) at the Cashier in the Cafeteria, and in the Recreation Office.

Put a little spring in your Spring festivities . . . come to the dance!

## AEC Issues New Book On Isotopes . . . Free

A new Atomic Energy Commission booklet on radioisotopes, written by Oak Ridge Scientists, is now available from the AEC here. The booklet entitled "Radioisotopes in Industry," was written by Dr. P. S. Baker and the staff of the Isotopes Information Center at Oak Ridge National Laboratory.

"Radioisotopes in Industry" is an account of the numerous ways radioactive materials are used in industrial processes. It explains the use of tracers, measuring devices and gauges, food preservation, insect control and heat and power sources.

Part of the AEC's "Understanding the Atom" series of education publication, the booklet is extensively illustrated and contains appendices with reference material. It may be obtained free by writing to the U.S. Atomic Energy Commission's Oak Ridge Operations, Post Office Box E, Oak Ridge, Tennessee.



**GUESS WHAT THESE OWNERS OF FEET** are doing? With grass springing up all over the place, it's time to think of golf, say the duffers. And that's just what they are doing, naturally, as somebody gets ready to miss a putt. The five tournaments for summer play are scheduled, and the times and places appear below.

## Badge Exchange Begins April 1

If you're wondering "where the yellow went," have no fear . . . it's back again. April Fool's Day brings the quarterly badge exchange around again . . . and this time it's the yellow panel back with us.

Badges for exchange will be up in the self-service racks at the portals by April 1 and will stay there until 11 p.m. Wednesday, April 13. Arranged in badge number order . . . all you have to do is pick up your new one and insert the old one where it came from. Simple, isn't it?

The quarterly badge exchange is part of the plant's monitoring system for radiation exposure.



**Carl pool member wanted from South Clinton or (Clinton) to North or Central Portal, straight day. Ed McCombs, plant phone 3-7918, home phone Clinton 457-1495.**

## SPRING CLEAN-UP

Preliminary work and planning are already in evidence for Spring Clean-Up Week . . . planned for April 18-24 in Y-12. What are your plans?

## Five Big Golf Tournaments Are Set As Y-12 Duffers Look To Green Fairways

There's green on the fairways and fair weather on the greens . . . and that's all Y-12 golfers need to know.

The first big tournament of the year is set for Saturday, April 30, at Lambert Acres Country Club, Maryville. Four other monthly tilts are also set.

Golf competition this year will be as usual . . . on a handicap basis, with approximately one-fourth of total players placed in each division. Prizes, for both scratch and handicap play, will be golf balls.

This year's golf committee consists of J. C. Thompson Jr., W. K. Forrester, H. R. Butler, W. T. Mee and R. T. Cantrell.

Only Y-12 UCC employees, retirees and members of the general staff will be eligible to play in the five tournaments.

All golfers are urged to be on time, observe and practice golf etiquette and play accordingly. Also, they must remember that they are guests at each of the courses on which play takes place.

1966's tournaments are:

**April 30 — Lambert Acres, Maryville**

**May 21 — Wallace Hills, Maryville**

**June 25 — Melton Hill, Clinton**

**July 30 — Springbrook, Niota**

**August 28 — Southwest Point, Kingston**

Green fee for each of the above courses is \$3. Handicaps for the first tournament will be based on

the average of the low three of the last four tournament games. After the first tournament, all 1964 scores will be dropped from the records. Players participating for the first time will play scratch and establish a handicap for that tournament and each succeeding one.

Foursomes will register for desired tee-off times. An application for the Lambert Acres contest will appear shortly in the Bulletin.

## ORCMA Presents Concert From Knoxville Group

The Oak Ridge Music Association announces its next regular Chamber Music series concert for Saturday, April 2. The concert is set for 8:15 p.m. at the Oak Ridge Playhouse. David Van Vactor, conductor for the Knoxville Symphony Orchestra, will direct the group which is made up of instrumentalists of first-chair players in the Knoxville Symphony Orchestra. They will play works of Bach, Van Vactor and Stravinsky.

Meanwhile, ORCMA announces its 1966-67 officers, elected at the Association's annual meeting March 15. They are Vincent E. Parker, deputy director of the Oak Ridge Association Universities, president; John H. Gibbons, vice president; Mrs. John Neiler, secretary; and Fred Peitzsch, treasurer.



**CAMP FIRE WEEK IN TENNESSEE** was declared recently in the Governor's office in Nashville. Honoring the organization for its 56 years of service to girls, the executive order is above presented to Mrs. F. M. Tench Jr., wife of Fran Tench, Superintendents Division. She is seen, center, receiving the declaration from William Shoulders, executive assistant to the Governor. Attending the ceremonies also were, from left, Karen Kuna, Jane Holz, daughter of P. P. Holz, ORNL employee in Y-12, and Kathy Tench. From Mrs. Tench's left are Lynn and Nancy Leichsenring, daughters of George F., ORNL employee in Y-12, and Jean Marie Kuna. All the girls are members of Horizon Club, and will be participants in this summer's Conference Afloat.





**BIG TROPHY TAKERS** in the Volleyball League are the Beavers seen smiling away their troubles above. Seated from left are George Duncan, Jerry Davis, Bob Culton and Captain Loyd Wyatt. Standing are Rick Hull, George Reece, C. R. McGinnis and Jay Ledgerwood. The Beavers not only eagerly took top honors in league play, last week they took the laurels in the tournament also. Good work, Beavers!

## Y-12's Beavers Crush Set-Ups Winning Volleyball Tournament As Well as League

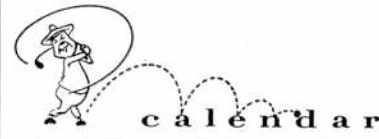
Y-12's busy Beavers, not content with taking the League Championship in Volleyball, took the same honors in the Tournament last week. The finals saw the Beavers pitted against the Set-Ups . . . the Beavers won game number one 15-6. The Set-Ups refused to give up, however, and won game two 15-12. The Beavers returned and won three and four 15-3, 15-10.

The Beavers defeated the K-25 Instruments in semis earlier in the week 15-9 and 15-9. The Set-Ups defeated the Neutrinos 15-11 and 15-10 after losing game number one 15-11.

The Beavers consisted of Jay Ledgerwood, C. R. McGinnis,

Rick Hull, Bob Culton, George Duncan, Jerry Davis, Captain Loyd Wyatt, and George Reece. Three other Y-12 entries completed the 12-team league . . . the Eagles, the Bat Boys, and the Yanks.

## Recreation



**Monday, April 4**

**BOWLING:** C League, 5:45, Ark Lanes.

**Tuesday, April 5**

**PHYSICAL FITNESS:** 7:30 p.m., Oak Ridge High School Gymnasium.

**Wednesday, April 6**

**BOWLING:** Mixed League, 8 p.m., Ark Lanes.

**IN-DOOR RIFLE LEAGUE:** 7 p.m., Anderson County Gun Club.

**Thursday, April 7**

**BOWLING:** Classic League, 5:45 p.m., Ark Lanes.

**Friday, April 15**

**Y-12 SPRING DANCE:** 9 p.m., Oak Terrace Ballroom, Oak Ridge.

## Cats Keep Close Mixed Alley Lead

With only two weeks remaining on their regular schedule the Mixed Bowling League started separating the goats from the sheep last week in action in the last half of league play. The Alley Cats won three from the Mustangs to keep a one-point lead in standings. The Goofers stayed up there also by taking three from the Chumps. The Better Halves remain only one and one-half points away from the laurels, thanks to a four-point win over the Subs.

The Twisters are still hanging on after a three and one-half point loss to the Blue Angels.

Irene Carmack, Mustangs, rolled a high single scratch game for the women with a 186. Jeanne Cothron, Better Halves, posted a 230 handicap single. Lee Cabe, Subs, saw a series of 465 scratch, 618 handicap for the high there. Billy Sise, Alley Cats, was hot for men, taking all single honors . . . singles of 237 scratch, 259 handicap . . . and series of 581 and 647.

The Mustangs posted high single scratch counting with 675 . . . while the Better Halves heaved in for the rest of the honors . . . singles handicap of 821 and series of 1868 scratch, 2381 handicap.

League standings follow:

Team	W	L
Alley Cats	30½	17½
Goofers	29½	18½
Better Halves	29	19
Twisters	24	24
Mustangs	22	26
Blue Angels	22	26
Subs	20½	27½
Chumps	14½	33½

## M-A-N Provides Hunter A Target!

Last year a farmer painted the word C-O-W on his bovines to protect them from over-zealous hunters. He was smarter than you think, say the National Society for the Prevention of Blindness.

Actually hunters are more often the targets themselves than the cows because of defective eyesight, says the NSPB. But hunters can't go around with the words M-A-N spelled out on their clothing.

A comprehensive eye examination for all hunters annually before the hunting season opens is strongly recommended. Accident records indicated that nearly one of every four victims of hunting accidents was the result of misidentification of a man for an animal, and that an alarming 13 per cent of those hunters injured, were hit while out of sight of the shooter.

So if you're going to hunt make sure your eyes are up to it. Carry spare glasses in case of the loss or breakage of your regular pair.

## Metals & Ceramics Take Basketball's Runner-Up Crown

The light has dimmed in the Basketball League for any Y-12 hopes. No luck, lack of skill . . . or possibly out-played by opponents, the Has Beens last week lost the runner - up race for League championship to the Metals and Ceramics team.

M&C took the second place crown for the first half . . . the Has Beens for the last half.

The M&C team defeated the Has Beens 41 to 37 . . . led by hot shooting by Jim Carter. Ace Carter accounted for 21 of the 41 points for the winners.

Bill Kirksey led the losing squad with 16 points . . . Bob Culton fired 10.

ORNL's Fearless Five, of course, was the undisputed champions for the league.

A tournament is underway this week among the eight basketball teams around the grounds.

## Badgers Bolster C Bowling Hopes

The Badgers strengthened their good lead in the C Bowling League last week by swamping the Invalids. Next in line the Rounders also took four from the Strikers and the Rodders, refusing to give up the race, took four from the HiLifers. The Rollmasters practically eliminated the Sunflowers from the running by taking four from them. The only three point win of the night went to the Big Five over the Parbustlers . . . while the Shud-A-Beens and Fireballs shared two.

Sam Campbell, Badgers, was hot on singles, posting a 234 scratch, 262 handicap game. Ed Sise, Big Five, rolled a 592 scratch series . . . and Campbell's 657 handicap series was high.

The Badgers swept all team honors, taking singles of 945 scratch, 1078 handicap . . . and series of 2610 and 3049.

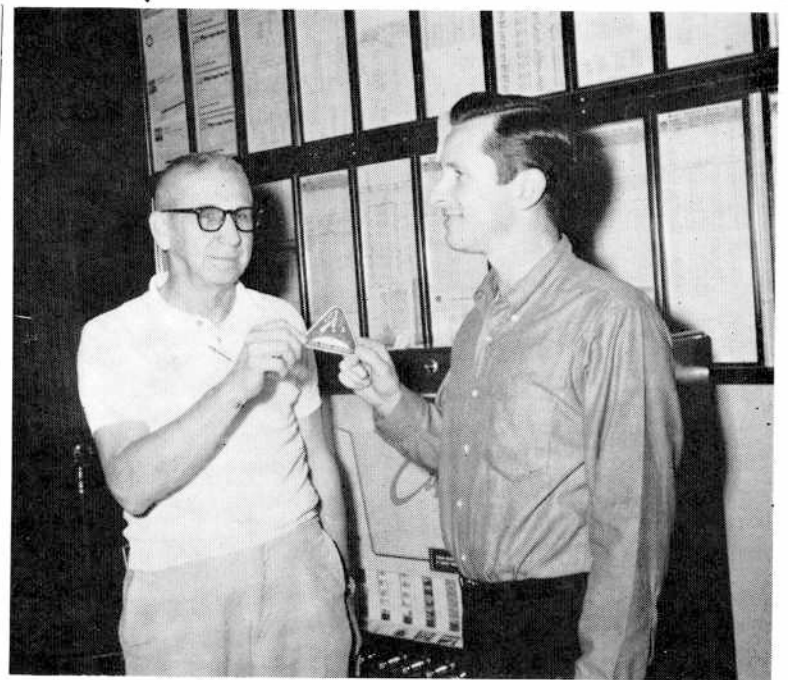
League standings follow:

Team	W	L
Badgers	39	13
Rounders	30	22
Rodders	29	23
Sunflowers	28	24
Rollmasters	27	25
Parbustlers	25	27
Fireballs	25	27
Invalids	24	28
HiLifers	23	29
Strikers	23	29
Big Five	20	32
Shud-A-Beens	19	33

Responsibility on the shoulders leaves little room for chips.



**PACING Y-12 BOWLERS** are the Tournament Champions seen above with their handsome trophies. Louie Anfinson took women's honors, posting an All Events scratch score of 1560 . . . or an average 183 per game! Jack Spears, with a total 1788 count, averaged 196 pins per game in the all-plant competition, held the first week-end in March.



**WAYNE GROPE, RIPPERS**, right, is another century patch owner . . . for posting a single game of at least 100 pins over his established bowling average. His big 264 game came the night of March 3. Roy Roberts, league secretary, left, presents Wayne his big patch.

## Markers Move Into First Place Slot As Classic Bowlers Near Trail's End

The Markers moved into the lead among Classic bowlers last week by virtue of a four-point win over the Cubs. The only other sweep of the night went to the Wolves over the Wasps. The Swingsters wrested three from the Tigers, the Rebels did likewise at the expense of the Has Beens. The Eightballs won three from the All Stars, and the Playboys pelted the Smelters for the same score. The Splinters came out on top of the Rippers by three . . . and the Bumpers and Screwballs shared two points.

George Cantrell, Swingsters,

## Soft-Ball Players To Be Paged Shortly

Softball time is a-coming! Potential managers, team members and others interested should begin to put feelers around for contacts.

Watch next week's Bulletin for an entry form. You can neither enter a team in its entirety or you can put your name in the hat for membership on an existing or newly-forming team.

Hit or miss, there's a place for you somewhere in Softball!

was hot on singles . . . rolling a 232 scratch, 252 handicap game. H. D. Whitehead, All Stars, put in a 585 scratch, 663 handicap series.

The Swingsters scratched high posting singles of 939 and series of 2694. High handicap singles went to the Eightballs with 1044 . . . and the Playboys put by a 2980 handicap series.

League standings follow:

Team	W	L
Markers	35	13
Bumpers	34	14
Swingsters	30	18
All Stars	28	20
Rebels	28	20
Has Beens	27	21
Eightballs	26	22
Wolves	26	22
Tigers	25	23
Playboys	25	23
Rippers	22	26
Splinters	19	29
Smelters	17½	30½
Cubs	15½	32½
Screwballs	14	34
Wasps	12	36

## Wyatt And Norris Table Tennis Tops

Loyd Wyatt took final honors in the X Table Tennis League . . . and A. J. Norris handily won top spot in the Y League.

Last week as finals were played, Wyatt won five from E. O'Rourke and took three from H. Mook. Roy Huddleston downed F. W. Shull for five . . . and Shull took five from O'Rourke. W. B. Motley won five from O'Rourke also. K. Bunzl won three from W. D. Jones and Motley won three from B. Bullock.

Final X Standings:

Player	W	L
L. E. Wyatt	37	8
R. L. Huddleston	32	8
W. B. Motley	27	13
W. D. Jones	23	17
H. Mook	23	17
B. Bullock	21	19
K. Bunzl	18	22
W. A. Maddux	13	22
F. W. Shull	6	34
E. O'Rourke	0	40

In Y League finals, it was G. W. Brewer over R. Pilloton by forfeit . . . and A. J. Norris over Campbell King via the same route. V. R. R. Uppuluri defeated F. Kertesz for five and A. J. Weinberger won three from J. Lewin.

Final Y Standings:

Player	W	L
A. J. Norris	40	5
G. W. Brewer	33	7
V. R. R. Uppuluri	35	10
E. F. Gambill	31	14
G. F. Moretto	21	24
A. J. Weinberger	21	24
F. Kertesz	20	25
J. Lewin	14	26
R. Pilloton	3	42
C. R. King	2	43



**UNION CARBIDE CORPORATION**  
**NUCLEAR DIVISION**

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**PAID**  
Oak Ridge, Tenn.  
Permit No. 71

April shakes out her "rain-drenched hair" over more Y-12ers observing important milestones with Union Carbide Corporation. Congratulations.

**20 YEARS**

**Robert W. Schede**, Laboratory Development, April 1.

**Robert A. Riordan**, Mechanical Inspection, April 2.

**Robert K. Bennett Jr.**, Laboratory Development, April 3.

**15 YEARS**

**David E. Dryden**, Process Maintenance, March 30.

**William T. Bailey**, Process Maintenance, March 31.

**Harry G. Crews**, A-2 Shops, 9212, April 1.

**John L. Noey**, Instrument Engineering Development, April 2.

**Harry C. Francke**, Chemical Engineering Development, April 2.

**John G. Harber Jr.**, ORNL Chemical Services, April 2.

**Thomas L. Ray**, Medical Department, April 2.

**Dorothy L. Brashears**, Chemical Services, April 3.

**Clara S. Johnson**, ORNL Chemical Services, April 4.

**John W. Anthony**, General Machine Shop, April 4.

**Carl E. Bennett**, Chemical Services, April 5.

**10 YEARS**

**James O. Olvey**, Utilities Administration, March 31.

**Dan D. Stroud**, Maintenance Division, April 2.

**Bobby L. Grogan**, Electrical Department, April 3.



**CUPID'S FOLLIES** was the skit the above trio presented in the Jaycee Jaycette Follies in mid-March in Oak Ridge. They are part of the Junior Rockettes of the act. From left are Lynda Cogswell, daughter of Jerome Cogswell, Beta Four Forming, Cindy Williford, daughter of Mabry Williford, Dimensional Inspection, and Judy Miller, daughter of M. L. Pendley, Gage Certification Laboratory.

## Powers Leads Y-12 Rifleers In Firing

B. L. Powers led Y-12 Rifleers in the 22 Calibre Rifle Tournament recently, as the league fired its fourth match of the new season. His 293.653 handicap . . . 293 scratch firing was tops for the team. J. L. Huff followed with a close second . . . 290.433 and 290.

Team firing saw the Y-12 team win five points firing scratch of 1434 and handicap of 1449.937. The Independents tallied a 1444, and 1162.680.

Team	Points
X-10	14
Independents	13
Y-12	9

## Americans Are Growing Up . . . Literally!

America is growing into a taller nation . . . in more ways than one. Today's male averages almost four inches taller than his colonial ancestors. Experts predict that by the end of the century American males will be between six feet and six feet, six inches. Women will stand on the average of five feet, 10 inches by then!

**CHEMICAL CLOTHING**

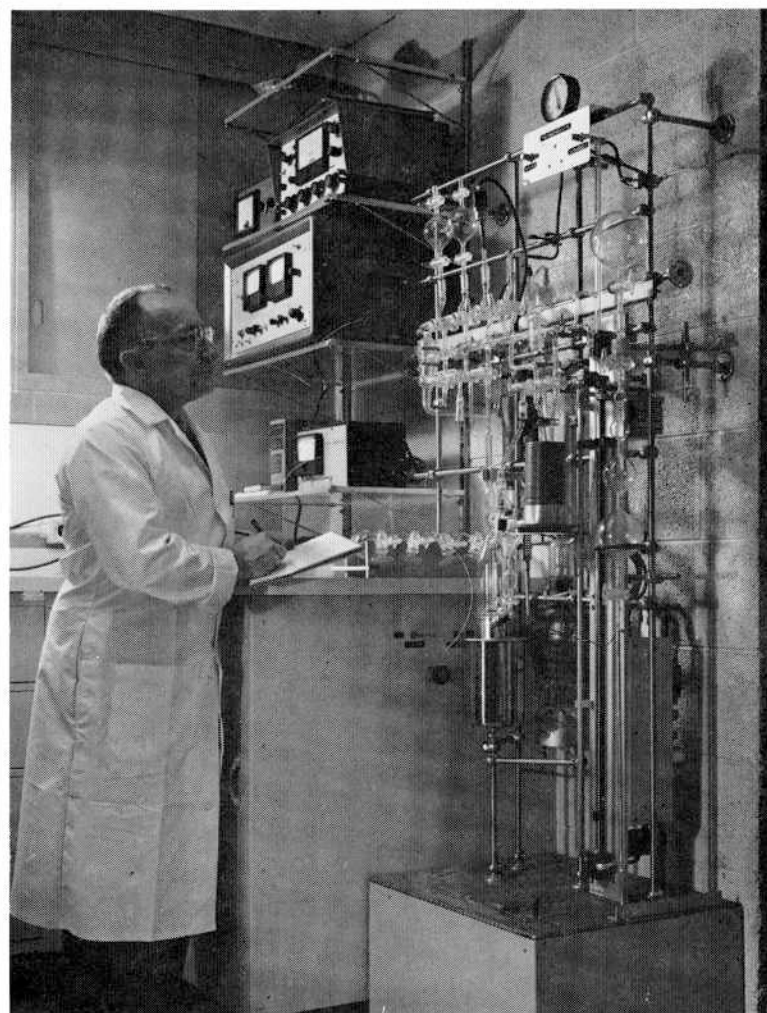
Chemistry has improved clothing and fabrics through man-made fibers and dyes, and has also improved their care through synthetic detergents and cleaners.

## Periodic Table Could Be UCC's Basic Catalog

The periodic table of elements could almost be considered a basic catalog of Union Carbide's raw materials. From the air itself, Union Carbide extracts half a dozen gases. Burrowing deep into the earth's interior, our engineers wrest minerals and other treasures that nature locked away there many millions of years ago. From these resources of nature, thousands of products in chemicals, plastics, carbon products, industrial gases and metals are created.

**SECURITY RISKS**

A recent wedding saw the bride and groom ride away in an automobile carrying the sign "Loose Talk Caused This."



**CALIBRATIONS** for the standards . . . or mixed gases in small amounts are made here in the Special Samples Laboratory. The glass apparatus above is merely a development in miniature of the gas-mixing facilities described on page one.

## The Man Sounded Angry And Scared

The man sounded angry and scared at the same time, as the telephone interrupted the busy routine of dead-line time in the news office.

"Isn't there something we can do about the driving here in Y-12? We stress safety in the plant day in and day out . . . and to good ends, too. Our plant's safety record is famous. But what about when we get outside the portals?"

"Last night my wife had to come to the plant to pick me up. The three kids were in the back seat. She was approaching Y-12 in the single lane going west . . . which is the only lane open at that time coming into the plant. Here came an employee in a hurry . . . forcing her off the highway into the ditch. He was in the wrong, but rather than risk her life and the kids' lives, my wife took to the ditch."

"We hear an awful lot about defensive driving . . . and it amounts to that these days. I can take care of myself, dangerous as it seems . . . but my wife and kids are something else again."

"A visitor of ours recently asked how we could live here and fight the problems of driving to and from work everyday after he had seen the mad scramble."

"Surely, nobody is in that big a hurry to get home. Coming to work in the morning is almost as bad. Can't you do something about it in the paper?"

"The accident one of our employees had last week hit it all home to me. Of course, his was a black-out problem, and the accident was unavoidable. But many of them are avoidable. Like last week when my wife and kids got forced off the road."

Like we said, the man sounded angry and scared.

He had good cause.

The more you win arguments, the fewer friends you have.

## Proper Leverage Vital; Proper Lifting More So

"Give me a lever and a place to stand, and I'll move the world," said a Greek philosopher.

You probably won't be called on to move the world, but you can learn to lift and move heavy objects safely and easily.

Some tips from the National Safety Council:

1. Don't be a hero. Get help with large, especially heavy objects.
2. Set your feet solidly, slightly apart, and crouch low over the object.
3. Get a firm grip, hands on diagonal corners. Lift one end if necessary to get a hand under the object.
4. Keep your back straight, bend at the hips. Straighten legs slowly, letting the leg muscles, not the back, do the work.



**ENGINE, ENGINE NUMBER NINE** . . . or pumper number one, more correctly. The gleaming new piece of fire-fighting equipment has arrived in the plant just in time for Spring Clean-Up Week activities next month. The above photograph was taken in glorious color . . . and guess what the truck's color is!



**EARL BUCHANAN**, General Expediting and Auxiliary Services, is quick on the draw when it comes to producing his wallet with granddaughter Cheri's picture in it. And no wonder. Cheri is the year-old daughter of Mr. and Mrs. Bill Buchanan, Jonesboro, and the cream in grandpa's coffee, too!